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 Title: **JP56162474A2: PREPARATION OF ORGANIC ELECTROLYTE BATTERY**

 Derwent Title: Organic electrolyte cell prodn. - includes washing lithium with organic solvent and drying under reduced pressure [\[Derwent Record\]](#)

 Country: **JP** Japan

 Kind: **A**

 Inventor: **TAKEMORI MASAMI;**
YOKOYAMA KENICHI;

 Assignee: **HITACHI MAXELL LTD**
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 Published / Filed: **1981-12-14 / 1980-05-20**

 Application Number: **JP1980000066720**

 IPC Code: **H01M 4/08;**

 Priority Number: **1980-05-14 JP1980000066720**

 Abstract: **PURPOSE:** When a battery is produced using lithium as cathode active material, to increase the operational voltage under low temperature and heavy and load discharging by removing oils on a lithium thin sheet through washing with an organic solvent and drying under vacuum.

CONSTITUTION: A lithium plate stored in kerosene is taken out from the kerosene, rolled to a thin sheet using liquid paraffin as a lubricant, punched circularly, and soaked in n-hexane for 2 to 5 seconds. It is placed in a vacuum dryer and evacuated to evaporate the n-hexane on the lithium surface, and thus oils on the lithium surface is removed. Then it is combined in a battery to form the battery. The reduction of the operational voltage at low temperature and heavy load discharging due to the oils on the lithium surface is prevented, and the battery performance can be improved greatly.

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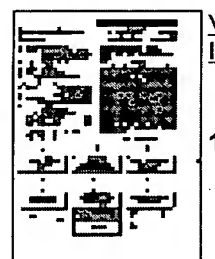
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PDF	Patent	Pub.Date	Inventor	Assignee	Title
	US6586912	2003-07-01	Tsukamoto; Hisashi	Quallion LLC	Method and apparatus for amplitude limiting battery temperature spikes



Other Abstract
Info:

CHEM 096(14)112275G



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(30) Priority:

(43) Date of application
publication: **14.12.81**(84) Designated contracting
states:(71) Applicant: **HITACHI MAXELL LTD**(72) Inventor: **TAKEMORI MASAMI**
YOKOYAMA KENICHI

(74) Representative:

**(54) PREPARATION OF
ORGANIC ELECTROLYTE
BATTERY**

(57) Abstract:

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CONSTITUTION: A lithium plate stored in kerosene is taken out from the kerosene, rolled to a thin sheet using liquid paraffin as a lubricant, punched circularly, and soaked in n-hexane for 2 to 5 seconds. It is placed in a vacuum dryer and evacuated to evaporate the n-hexane on the lithium surface, and thus oils on the lithium surface is removed. Then it is combined in a battery to form the battery. The reduction of the operational voltage at low temperature

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